

REMARKS

Upon entry of this Amendment, claims 1-114 are pending. Specifically, claims 21-114 are added. It is believed that the foregoing amendments and additions add no new matter to the present application.

Support for Amendments to the Specification and Abstract

The specification is amended at column 4, lines 18-38 and at column 5, lines 15-28 to correct grammatical errors. Additionally, the abstract is also amended to correct a grammatical error. Therefore, Applicant believes that the amendments to the specification and abstract do not add new matter.

Support in the Specification for Amended Claims

In accordance with 37 C.F.R. 1.121(b)(2)(iii), below is an explanation supporting each amended claim by providing the location in the specification for at least one supporting statement in the specification for each amended claim. Where appropriate, reference to drawings are also provided. Furthermore, support for each amended claim may also be found elsewhere throughout the specification and the drawings, to which the Examiner is respectfully referred to. Therefore, Applicant believes that the claims as amended do not add new matter.

Claim 21: A statement supporting claim 21 is found in the specification of the issued patent at column 2, line 60 to column 3, line 35. Furthermore, the limitations of claim 21 are illustrated in Figure 2c of the drawings.

Claim 22: A statement supporting claim 22 is found in the specification of the issued patent at column 3, line 36 to column 4, line 39. Furthermore, the limitations of claim 22 are illustrated in Figure 3e of the drawings.

Claim 23: A statement supporting claim 23 is found in the specification of the issued patent at column 3, lines 29-31.

Claim 24: A statement supporting claim 24 is found in the specification of the issued patent at column 3, lines 29-31.

Claim 25: A statement supporting claim 25 is found in the specification of the issued patent at column 3, lines 2-14 and column 4, lines 6-17.

Claim 26: A statement supporting claim 26 is found in the specification of the issued patent at column 3, line 64 to column 4, line 17.

Claim 27: A statement supporting claim 27 is found in the specification of the issued patent at column 3, lines 37-43. Furthermore, the limitations of claim 27 are illustrated in Figure 3e of the drawings.

Claim 28: A statement supporting claim 28 is found in the specification of the issued patent at column 3, lines 2-7.

Claim 29: A statement supporting claim 29 is found in the specification of the issued patent at column 3, lines 2-7.

Claim 30: A statement supporting claim 30 is found in the specification of the issued patent at column 3, line 52 to column 4, line 5.

Claim 31: A statement supporting claim 31 is found in the specification of the issued patent at column 4, lines 27-38.

Claim 32: A statement supporting claim 32 is found in the specification of the issued patent at column 3, line 24.

Claim 33: A statement supporting claim 33 is found in the specification of the issued patent at column 3, line 24.

Claim 34: A statement supporting claim 34 is found in the specification of the issued patent at column 3, line 25.

Claim 35: A statement supporting claim 35 is found in the specification of the issued patent at column 3, lines 2-4.

Claim 36: A statement supporting claim 36 is found in the specification of the issued patent at column 3, lines 37-51 and column 4, lines 6- 38. Furthermore, the limitations of claim 36 are illustrated in Figures 3d and 3e of the drawings.

Claim 37: A statement supporting claim 37 is found in the specification of the issued patent at column 4, lines 26-30.

Claim 38: A statement supporting claim 38 is found in the specification of the issued patent at column 3, line 24.

Claim 39: A statement supporting claim 39 is found in the specification of the issued patent at column 3, line 27.

Claim 40: A statement supporting claim 40 is found in the specification of the issued patent at column 3, line 25.

Claim 41: A statement supporting claim 41 is found in the specification of the issued patent at column 4, lines 39-54. Furthermore, the limitations of claim 41 are illustrated in Figures 4a-4d of the drawings.

Claim 42: A statement supporting claim 42 is found in the specification of the issued patent at column 4, lines 39-54. Furthermore, the limitations of claim 42 are illustrated in Figures 4a and 4b of the drawings.

Claim 43: A statement supporting claim 43 is found in the specification of the issued patent at column 3, lines 15-22 and column 5, lines 5-6.

Claim 44: A statement supporting claim 44 is found in the specification of the issued patent at column 4, lines 4-28.

Claim 45: A statement supporting claim 45 is found in the specification of the issued patent at column 4, lines 4-29.

Claim 46: A statement supporting claim 46 is found in the specification of the issued patent at column 4, line 12.

Claim 47: A statement supporting claim 47 is found in the specification of the issued patent at column 4, lines 39-54. Furthermore, the limitations of claim 47 are illustrated in Figure 4c of the drawings.

Claim 48: A statement supporting claim 48 is found in the specification of the issued patent at column 4, lines 39-54. Furthermore, the limitations of claim 48 are illustrated in Figures 4b and 4c of the drawings.

Claim 49: A statement supporting claim 49 is found in the specification of the issued patent at column 3, lines 15-22 and column 5, lines 5-6.

Claim 50: A statement supporting claim 50 is found in the specification of the issued patent at column 5, lines 4-15.

Claim 51: A statement supporting claim 51 is found in the specification of the issued patent at column 5, lines 4-15.

Claim 52: A statement supporting claim 52 is found in the specification of the issued patent at column 4, lines 6-22 and column 4 lines 39-63. Furthermore, the limitations of claim 52 are illustrated in Figure 4d of the drawings.

Claim 53: A statement supporting claim 53 is found in the specification of the issued patent at column 4, line 55 through column 5, line 1.

Claim 54: A statement supporting claim 54 is found in the specification of the issued patent at column 4, lines 39-54. Furthermore, the limitations of claim 54 are illustrated in Figures 4c and 4d of the drawings.

Claim 55: A statement supporting claim 55 is found in the specification of the issued patent at column 4, line 55 through column 5, line 1.

Claim 56: A statement supporting claim 56 is found in the specification of the issued patent at column 4, lines 39-54. Furthermore, the limitations of claim 56 are illustrated in Figures 4a-4d of the drawings.

Claim 57: A statement supporting claim 57 is found in the specification of the issued patent at column 4, lines 39-54. Furthermore, the limitations of claim 57 are illustrated in Figures 4a and 4b of the drawings.

Claim 58: A statement supporting claim 58 is found in the specification of the issued patent at column 4, lines 39-54. Furthermore, the limitations of claim 58 are illustrated in Figures 4a and 4b of the drawings.

Claim 59: A statement supporting claim 59 is found in the specification of the issued patent at column 3, lines 15-22 and column 5, lines 5-6.

Claim 60: A statement supporting claim 60 is found in the specification of the issued patent at column 5, lines 4-28.

Claim 61: A statement supporting claim 61 is found in the specification of the issued patent at column 5, lines 4-29.

Claim 62: A statement supporting claim 62 is found in the specification of the issued patent at column 4, lines 39-54. Furthermore, the limitations of claim 62 are illustrated in Figures 4c and 4d of the drawings.

Claim 63: A statement supporting claim 63 is found in the specification of the issued patent at column 4, lines 39-54. Furthermore, the limitations of claim 63 are illustrated in Figures 4b and 4c of the drawings.

Claim 64: A statement supporting claim 64 is found in the specification of the issued patent at column 3, lines 15-22 and column 5, lines 5-6.

Claim 65: A statement supporting claim 65 is found in the specification of the issued patent at column 5, lines 4-28.

Claim 66: A statement supporting claim 66 is found in the specification of the issued patent at column 5, lines 4-29.

Claim 67: A statement supporting claim 67 is found in the specification of the issued patent at column 4, lines 39-54. Furthermore, the limitations of claim 67 are illustrated in Figures 4a-4d of the drawings.

Claim 68: A statement supporting claim 68 is found in the specification of the issued patent at column 3, lines 15-22 and column 5, lines 5-6.

Claim 69: A statement supporting claim 69 is found in the specification of the issued patent at column 5, lines 4-28.

Claim 70: A statement supporting claim 70 is found in the specification of the issued patent at column 5, lines 4-29.

Claim 71: A statement supporting claim 71 is found in the specification of the issued patent at column 4, line 12.

Claim 72: A statement supporting claim 72 is found in the specification of the issued patent at column 4, lines 39-54. Furthermore, the limitations of claim 72 are illustrated in Figures 4c and 4d of the drawings.

Claim 73: A statement supporting claim 73 is found in the specification of the issued patent at column 3, lines 15-22 and column 5, lines 5-6.

Claim 74: A statement supporting claim 74 is found in the specification of the issued patent at column 5, lines 4-28.

Claim 75: A statement supporting claim 75 is found in the specification of the issued patent at column 5, lines 4-29.

Claim 76: A statement supporting claim 76 is found in the specification of the issued patent at column 4, lines 39-54. Furthermore, the limitations of claim 76 are illustrated in Figures 4a-4d of the drawings.

Claim 77: A statement supporting claim 77 is found in the specification of the issued patent at column 4, lines 39-54. Furthermore, the limitations of claim 77 are illustrated in Figures 4a and 4b of the drawings.

Claim 78: A statement supporting claim 78 is found in the specification of the issued patent at column 4, lines 39-54. Furthermore, the limitations of claim 78 are illustrated in Figure 4d of the drawings.

Claim 79: A statement supporting claim 79 is found in the specification of the issued patent at column 3, lines 15-22 and column 5, lines 5-6.

Claim 80: A statement supporting claim 80 is found in the specification of the issued patent at column 5, lines 4-28.

Claim 81: A statement supporting claim 81 is found in the specification of the issued patent at column 5, lines 4-29.

Claim 82: A statement supporting claim 82 is found in the specification of the issued patent at column 4, line 12.

Claim 83: A statement supporting claim 83 is found in the specification of the issued patent at column 4, lines 39-54. Furthermore, the limitations of claim 83 are illustrated in Figures 4b and 4c of the drawings.

Claim 84: A statement supporting claim 84 is found in the specification of the issued patent at column 4, lines 39-54. Furthermore, the limitations of claim 84 are illustrated in Figures 4b and 4c of the drawings.

Claim 85: A statement supporting claim 85 is found in the specification of the issued patent at column 4, lines 39-54. Furthermore, the limitations of claim 85 are illustrated in Figure 4d of the drawings.

Claim 86: A statement supporting claim 86 is found in the specification of the issued patent at column 3, lines 15-22 and column 5, lines 5-6.

Claim 87: A statement supporting claim 87 is found in the specification of the issued patent at column 5, lines 4-28.

Claim 88: A statement supporting claim 88 is found in the specification of the issued patent at column 5, lines 4-29.

Claim 89: A statement supporting claim 89 is found in the specification of the issued patent at column 4, lines 15-21, at column 4, lines 39-54 and at column 5, lines 4-9. Furthermore, the limitations of claim 89 are illustrated in Figures 4a, 4b and 4d of the drawings.

Claim 90: A statement supporting claim 90 is found in the specification of the issued patent at column 4, lines 16-17 and column 5, lines 4-9.

Claim 91: A statement supporting claim 91 is found in the specification of the issued patent at column 4, lines 39-54 and column 5, lines 16-17. Furthermore, the limitations of claim 91 are illustrated in Figures 4b, 4c and 4d of the drawings.

Claim 92: A statement supporting claim 92 is found in the specification of the issued patent at column 4, lines 16-17 and column 5, lines 4-9.

Claim 93: A statement supporting claim 93 is found in the specification of the issued patent at column 4, lines 6-17 and column 5, lines 4-9.

Claim 94: A statement supporting claim 94 is found in the specification of the issued patent at column 4, lines 15-21, at column 4, lines 39-54 and at column 5, lines 4-9. Furthermore, the limitations of claim 94 are illustrated in Figures 4a, 4b and 4d of the drawings.

Claim 95: A statement supporting claim 95 is found in the specification of the issued patent at column 4, lines 39-54, at column 5, lines 4-9 and at column 5, lines 16-17. Furthermore, the limitations of claim 95 are illustrated in Figures 4b, 4c and 4d of the drawings.

Claim 96: A statement supporting claim 96 is found in the specification of the issued patent at column 4, lines 15-21, at column 4, lines 39-54 and at column 5, lines 4-9. Furthermore, the limitations of claim 96 are illustrated in Figures 4a, 4b and 4d of the drawings.

Claim 97: A statement supporting claim 97 is found in the specification of the issued patent at column 4, lines 6-17 and column 5, lines 4-9.

Claim 98: A statement supporting claim 98 is found in the specification of the issued patent at column 4, lines 39-54, at column 5, lines 4-9 and at column 5, lines 16-17. Furthermore, the limitations of claim 98 are illustrated in Figures 4b, 4c and 4d of the drawings.

Claim 99: A statement supporting claim 99 is found in the specification of the issued patent at column 4, lines 16-17 and column 5, lines 4-9.

Claim 100: A statement supporting claim 100 is found in the specification of the issued patent at column 4, lines 16-17 and column 5, lines 4-9.

Claim 101: A statement supporting claim 101 is found in the specification of the issued patent at column 4, lines 15-21, at column 4, lines 39-54 and at column 5, lines 4-9. Furthermore, the limitations of claim 101 are illustrated in Figures 4a, 4b and 4d of the drawings.

Claim 102: A statement supporting claim 102 is found in the specification of the issued patent at column 4, lines 6-17 and column 5, lines 4-9.

Claim 103: A statement supporting claim 103 is found in the specification of the issued patent at column 4, lines 39-54, at column 5, lines 4-9 and at column 5, lines 16-17. Furthermore, the limitations of claim 103 are illustrated in Figures 4b, 4c and 4d of the drawings.

Claim 104: A statement supporting claim 104 is found in the specification of the issued patent at column 4, lines 6-17 and column 5, lines 4-9.

Claim 105: A statement supporting claim 105 is found in the specification of the issued patent at column 4, lines 6-17 and column 5, lines 4-9.

Claim 106: A statement supporting claim 106 is found in the specification of the issued patent at column 4, lines 15-21, at column 4, lines 39-54 and at column 5, lines 4-9. Furthermore, the limitations of claim 106 are illustrated in Figures 4a, 4b and 4d of the drawings.

Claim 107: A statement supporting claim 107 is found in the specification of the issued patent at column 4, lines 39-54, at column 5, lines 4-9 and at column 5, lines 16-17. Furthermore, the limitations of claim 107 are illustrated in Figures 4b, 4c and 4d of the drawings.

Claim 108: A statement supporting claim 108 is found in the specification of the issued patent at column 4, lines 15-21, at column 4, lines 39-54 and at column 5, lines 4-9. Furthermore, the limitations of claim 108 are illustrated in Figures 4a, 4b and 4d of the drawings.

Claim 109: A statement supporting claim 109 is found in the specification of the issued patent at column 4, lines 6-17 and column 5, lines 4-9.

Claim 110: A statement supporting claim 110 is found in the specification of the issued patent at column 4, lines 39-54, at column 5, lines 4-9 and at column 5, lines 16-17. Furthermore, the limitations of claim 110 are illustrated in Figures 4b, 4c and 4d of the drawings.

Claim 111: A statement supporting claim 111 is found in the specification of the issued patent at column 4, lines 6-17 and column 5, lines 4-9.

Claim 112: A statement supporting claim 112 is found in the specification of the issued patent at column 4, lines 6-17 and column 5, lines 4-9.

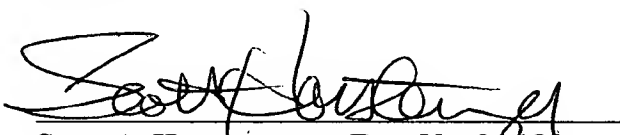
Claim 113: A statement supporting claim 113 is found in the specification of the issued patent at column 4, lines 15-21, at column 4, lines 39-54 and at column 5, lines 4-9. Furthermore, the limitations of claim 113 are illustrated in Figures 4a, 4b and 4d of the drawings.

Claim 114: A statement supporting claim 114 is found in the specification of the issued patent at column 4, lines 39-54, at column 5, lines 4-9 and at column 5, lines 16-17. Furthermore, the limitations of claim 114 are illustrated in Figures 4b, 4c and 4d of the drawings.

Favorable action in regard to the application is earnestly solicited.

Respectfully submitted ,

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